

Form PTO-1449

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)
5083US (01-0428)

Application Number
Not yet assigned

Applicant Michael E. Connell and Tongbi Jiang

Filing Date February 25, 2002

Group Art Unit Unkn wn

10/082372



U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
NR	Des. 288,273	February 17, 1987	Gould			
	Des. 371,021	June 25, 1996	Pine et al.			
	H906	April 2, 1991	Baggett et al.			
	2,357,600	September 5, 1944	Pabst			
	2,413,767	January 7, 1947	Hyde			
	2,454,548	November 23, 1948	Brinkert			
	2,495,541	January 24, 1950	Nolan, Jr.			
	3,239,218	March 8, 1966	Reeves			
	3,254,776	June 7, 1966	Brown			
	3,327,889	June 27, 1967	Dore			
	3,625,384	December 7, 1971	Boerger et al.			
	3,628,672	December 21, 1971	Heinz			
	3,751,587	August 7, 1973	Insler et al.			
	3,774,352	November 27, 1973	Weber			
	3,799,017	March 26, 1974	Halligan			
	3,837,510	September 24, 1974	McWilliams			
	3,887,997	June 10, 1975	Hartleroad et al.			
	3,903,934	September 9, 1975	Vizy			
	3,917,983	November 4, 1975	Kuronen			
	3,937,386	February 10, 1976	Hartleroad et al.			
	3,969,813	July 20, 1976	Minetti et al.			
	3,973,665	August 10, 1976	Giammanco			
	4,024,545	May 17, 1977	Dowling et al.			
	4,027,246	May 31, 1977	Caccoma et al.			
	4,030,622	June 21, 1977	Brooks et al.			
	4,058,217	November 15, 1977	Vaughn et al.			
	4,095,095	June 13, 1978	Mursoka et al.			
NR	4,097,715	June 27, 1978	Frizzi			

EXAMINER

DATE CONSIDERED

05/03/04

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
NR	4,123,044	October 31, 1978	Petzi			
	4,148,057	April 3, 1979	Jesse			
	4,178,531	December 11, 1979	Alig			
	4,203,486	May 20, 1980	Rubbright et al.			
	4,285,433	August 25, 1981	Garrett, Sr. et al.			
	4,323,755	April 6, 1982	Nierenberg			
	4,346,284	August 24, 1982	Grollimund et al.			
	4,352,617	October 5, 1982	Sakai et al.			
	4,353,796	October 12, 1982	Kubo et al.			
	4,354,770	October 19, 1982	Block			
	4,370,542	January 25, 1983	Mills et al.			
	4,375,025	February 22, 1983	Carlson			
	4,382,580	May 10, 1983	Hellander			
	4,403,134	September 6, 1983	Klingel			
	4,454,413	June 12, 1984	Morton, Jr.			
	4,461,073	July 24, 1984	Harringer et al.			
	4,493,767	January 15, 1985	Montayne			
	4,510,673	April 16, 1985	Shils et al.			
	4,513,539	April 30, 1985	Steinback			
	4,517,436	May 14, 1985	Lawrence			
	4,523,319	June 11, 1985	Pfost			
	4,534,695	August 13, 1985	Stump et al.			
	4,539,878	September 10, 1985	Linker et al.			
	4,543,716	October 1, 1985	Damiano et al.			
	4,543,716	October 1, 1985	Damiano et al.			
	4,552,271	November 12, 1985	Kranz			
	4,561,541	December 31, 1985	Lawrence			
MR	4,577,563	March 25, 1986	Sidler			

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ADL	4,585,931	April 29, 1986	Duncan et al.			
	4,594,263	June 10, 1986	Folk et al.			
	4,607,744	August 26, 1986	Pak			
	4,610,359	September 9, 1986	Muller			
	4,616,414	October 14, 1986	Cushman			
	4,626,656	December 2, 1986	Ootsuka et al.			
	4,630,513	December 23, 1986	Keller			
	4,638,144	January 20, 1987	Latta, Jr.			
	4,644,126	February 17, 1987	Schumacher			
	4,654,290	March 31, 1987	Spanjer			
	4,660,282	April 28, 1987	Pfaff			
	4,677,370	June 30, 1987	Tustaniwskyj et al.			
	4,665,298	May 12, 1987	La Rocca			
	4,696,096	September 29, 1987	Green et al.			
	4,702,788	October 27, 1987	Okui			
	4,707,722	November 17, 1987	Folk et al.			
	4,711,334	December 8, 1987	Harry et al.			
	4,718,531	January 12, 1988	Bianchi et al.			
	4,719,502	January 12, 1988	Ikeya et al.			
	4,720,317	January 19, 1988	Kuroda et al.			
	4,749,631	June 7, 1988	Haluska et al.			
	4,753,863	June 28, 1988	Spanjer			
	4,756,977	July 12, 1988	Haluska et al.			
	4,759,675	July 26, 1988	Bond et al.			
	4,767,984	August 30, 1988	Bakker			
	4,769,345	September 6, 1988	Butt et al.			
	4,772,079	September 20, 1988	Douglas et al.			
MR	4,778,326	October 18, 1988	Althouse et al.			

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RR	4,778,326	October 18, 1988	Althouse et al.			
	4,790,515	December 13, 1988	Pocci			
	4,791,267	December 13, 1988	Yokoyama et al.			
	4,818,835	April 4, 1989	Kuwabara et al.			
	4,821,151	April 11, 1989	Pryor et al.			
	4,832,612	May 23, 1989	Grabbe et al.			
	4,850,780	July 25, 1989	Safabakhsh et al.			
	4,861,620	August 29, 1989	Azuma et al.			
	4,884,420	December 5, 1989	Finkel et al.			
	4,891,242	January 2, 1990	Ito et al.			
	4,914,269	April 3, 1990	Kinsman et al.			
	4,915,565	April 10, 1990	Cartledge et al.			
	4,926,677	May 22, 1990	Waldner			
	4,944,492	July 31, 1990	Nonaka			
	4,945,204	July 31, 1990	Nakamura et al.			
	4,947,981	August 14, 1990	Dorner et al.			
	4,965,927	October 30, 1990	Holzman			
	4,967,260	October 30, 1990	Butt			
	4,990,051	February 5, 1991	Safabakhsh et al.			
	5,003,251	March 26, 1991	Fuoco			
	5,014,159	May 7, 1991	Butt			
	5,018,938	May 28, 1991	Sikorski			
	5,020,959	June 4, 1991	Soth			
	5,030,551	July 9, 1991	Herren et al.			
	5,043,657	August 27, 1991	Amazeen et al.			
	5,090,664	February 25, 1992	McCullough et al.			
	5,102,291	April 7, 1992	Hine			
RR	5,113,992	May 19, 1992	Sadamori			

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AR	5,117,963	June 2, 1992	Thayer et al.			
	5,118,369	June 2, 1992	Shamir			
	5,127,837	July 7, 1992	Shah et al.			
	5,128,737	July 7, 1992	van der Have			
	5,148,969	September 22, 1992	Boucher et al.			
	5,150,797	September 29, 1992	Shibata			
	5,157,412	October 20, 1992	Kleinschmidt et al.			
	5,158,818	October 27, 1992	Aurichio			
	5,175,774	December 29, 1992	Truax et al.			
	5,177,368	January 5, 1993	Kay			
	5,197,650	March 30, 1993	Monzen et al.			
	5,203,143	April 20, 1993	Gutentag			
	5,204,987	April 20, 1993	Klingel			
	5,206,280	April 27, 1993	Williams			
	5,218,894	June 15, 1993	College et al.			
	5,219,765	June 15, 1993	Yoshida et al.			
	5,220,754	June 22, 1993	Tayebi et al.			
	5,226,361	July 13, 1993	Grant et al.			
	5,245,166	September 14, 1993	Shepard			
	5,245,900	September 21, 1993	Dojnik			
	5,256,578	October 26, 1993	Corley et al.			
	5,260,542	November 9, 1993	Ishiguro et al.			
	5,262,470	November 16, 1993	Shimotsuma et al.			
	5,263,567	November 23, 1993	Costa			
	5,268,059	December 7, 1993	Olson			
	5,278,442	January 11, 1994	Prinz et al.			
	5,279,975	January 18, 1994	Devereaux et al.			
ML	5,289,113	February 22, 1994	Maaney et al.			

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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,290,134	March 1, 1994	Baba			
	5,294,812	March 15, 1994	Hashimoto et al.			
	5,295,778	March 22, 1994	Hirai et al.			
	5,299,902	April 5, 1994	Fujiwara et al.			
	5,301,143	April 5, 1994	Ohri et al.			
	5,302,798	April 12, 1994	Inagawa et al.			
	5,307,010	April 26, 1994	Chiu			
	5,313,156	May 17, 1994	Klug et al.			
	5,315,094	May 24, 1994	Lisy			
	5,322,173	June 21, 1994	Kay			
	5,323,051	June 21, 1994	Adams			
	5,329,090	July 12, 1994	Woelki et al.			
	5,332,463	July 26, 1994	Eberlein et al.			
	5,335,458	August 9, 1994	Stoffers et al.			
	5,336,928	August 9, 1994	Neugebauer, deceased et al.			
	5,346,802	September 13, 1994	Ohbachi et al.			
	5,357,077	October 18, 1994	Tsuruta			
	5,360,747	November 1, 1994	Larson et al.			
	5,365,653	November 22, 1994	Padrun			
	5,373,039	December 13, 1994	Sakai et al.			
	5,375,320	December 27, 1994	Kinsman et al.			
	5,379,514	January 10, 1995	Okuda et al.			
	5,399,828	March 21, 1995	Riddle et al.			
	5,402,563	April 4, 1995	Sato et al.			
	5,413,629	May 9, 1995	Yasui et al.			
	5,415,939	May 16, 1995	Yeung			
	5,417,408	May 23, 1995	Ueda			
		5,423,716	June 13, 1995	Strasbaugh		

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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AR	5,423,931	June 13, 1995	Inoue et al.			
	5,427,349	June 27, 1995	Obrecht			
	5,445,923	August 29, 1995	Takahashi et al.			
	5,455,459	October 3, 1995	Fillion et al.			
	5,454,900	October 3, 1995	Han et al.			
	5,448,488	September 5, 1995	Oshima			
	5,458,158	October 17, 1995	Kawanabe			
	5,463,227	October 31, 1995	Stern et al.			
	5,465,470	November 14, 1995	Vongfuangfoo et al.			
	5,466,908	November 14, 1995	Hosoya et al.			
	5,467,023	November 14, 1995	Takeyama			
	5,479,694	January 2, 1996	Baldwin			
	5,481,135	January 2, 1996	Chandra et al.			
	5,481,202	January 2, 1996	Frye, Jr.			
	5,484,314	January 16, 1996	Farnworth			
	5,487,471	January 30, 1996	Marchek et al.			
	5,496,432	March 5, 1996	Sumi et al.			
	5,497,033	March 5, 1996	Fillion et al.			
	5,498,851	March 12, 1996	Hayashi et al.			
	5,534,094	July 9, 1996	Arjavalasingam et al.			
	5,545,367	August 13, 1996	Bae et al.			
	5,547,906	August 20, 1996	Badehi			
	5,551,959	September 3, 1996	Martin et al.			
	5,566,414	October 22, 1996	Nonaka			
	5,566,840	October 22, 1996	Waldner et al.			
5,587,094	December 24, 1996	Yoshida et al.				
5,588,797	December 31, 1996	Smith				
MR	5,590,787	January 7, 1997	Hodges			
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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AK	5,829,115	November 3, 1998	Speller, Jr. et al.			
	5,838,361	November 17, 1998	Corbett			
	5,838,431	November 17, 1998	Hara et al.			
	5,840,614	November 24, 1998	Sim et al.			
	5,844,803	December 1, 1998	Beffa			
	5,856,923	January 5, 1999	Jones et al.			
	5,866,644	February 2, 1999	Mercx et al.			
	5,870,820	February 16, 1999	Arakawa et al.			
	5,875,544	March 2, 1999	Chou			
	5,903,044	May 11, 1999	Farnworth et al.			
	5,907,492	May 25, 1999	Akram et al.			
	5,909,706	June 8, 1999	Jin et al.			
	5,911,461	June 15, 1999	Sauter et al.			
	5,915,231	June 22, 1999	Beffa			
	5,927,512	July 27, 1999	Beffa			
	5,928,842	July 27, 1999	Shinmoto et al.			
	5,932,119	August 3, 1999	Kaplan et al.			
	5,937,270	August 10, 1999	Canella			
	5,942,136	August 24, 1999	Mori et al.			
	5,946,791	September 7, 1999	Baldwin			
	5,962,097	October 5, 1999	Yamamoto et al.			
	5,966,307	October 12, 1999	Lin			
	5,976,955	November 2, 1999	Hodges			
	5,985,377	November 16, 1999	Corbett			
	5,985,510	November 16, 1999	Akutsu et al.			
5,986,235	November 16, 1999	Canella				
5,991,245	November 23, 1999	Yohimura				
AK	5,999,252	December 7, 1999	Greisz			
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AK	5,600,150	February 4, 1997	Stern et al.			
	5,600,181	February 4, 1997	Scott et al.			
	5,605,641	February 25, 1997	Chiba et al.			
	5,629,484	May 13, 1997	Liska			
	5,632,083	May 27, 1997	Tada et al.			
	5,632,915	May 27, 1997	Schnetzer et al.			
	5,635,766	June 3, 1997	Cain			
	5,638,958	June 17, 1997	Sanchez			
	5,643,477	July 1, 1997	Gullo et al.			
	5,648,436	July 15, 1997	Bird			
	5,653,900	August 5, 1997	Clement et al.			
	5,654,204	August 5, 1997	Anderson			
	5,656,548	August 12, 1997	Zavacky et al.			
	5,665,609	September 9, 1997	Mori			
	5,682,065	October 28, 1997	Farnworth et al.			
	5,691,544	November 25, 1997	Stern et al.			
	5,692,873	December 2, 1997	Weeks et al.			
	5,715,592	February 10, 1998	Mori et al.			
	5,77,162	February 10, 1998	Matsuoka			
	5,719,372	February 17, 1998	Togari et al.			
	5,722,639	March 3, 1998	Nonaka			
	5,761,301	June 2, 1998	Oshima et al.			
	5,765,277	June 16, 1998	Jin et al.			
	5,793,051	August 11, 1998	Stern et al.			
	5,801,067	September 1, 1998	Shaw et al.			
	5,805,472	September 8, 1998	Fukasawa			
	5,808,268	September 15, 1998	Balz et al.			
PR	5,821,497	October 13, 1998	Yamazaki et al.			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE			
AR	6,008,070	December 28, 1999	Farworth						
	6,008,476	December 28, 1999	Neiconi et al.						
	6,011,315	January 4, 2000	Toyosawa et al.						
	6,023,042	February 8, 2000	Hensel et al.						
	6,028,134	February 22, 2000	Zhang et al.						
AR	6,030,485	February 29, 2000	Yamada						
	6,048,624	April 11, 2000	Wilson et al.						
AR	6,062,119	May 16, 2000	Overgaard						
	6,070,731	June 6, 2000	Kobayashi et al.						
	6,084,288	July 4, 2000	Farnworth et al.						
	6,100,486	August 8, 2000	Beffa						
	6,108,026	August 22, 2000	Corbett						
	6,113,992	September 5, 2000	Corbett						
	6,122,563	September 19, 2000	Beffa						
	6,137,125	October 24, 2000	Costas et al.						
	6,138,542	October 31, 2000	Overgaard						
	5,153,034	November 28, 2000	Lipsker						
	6,154,366	November 28, 2000	Ma et al.						
	6,188,129	February 13, 2001	Paik et al.						
	6,202,292	March 20, 2001	Farnworth et al.						
	6,229,323	May 8, 2001	Tverdy et al.						
	6,244,569	June 12, 2001	Canella et al.						
	6,244,634	June 12, 2001	Robinson						
AR	6,287,068	September 11, 2001	Canella et al.						
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